

LAND APPLICATION OF BIOSOLIDS SITE INSPECTION FORM

GENERAL INFORMATION:		DATE: 5/2/2005 through 5/24/2005	
COUNTY: Spotsylvania		CONTRACTOR/MUNICIPALITY: Synagro Mid-Atlantic, Inc.	
NAME (OWNER/OPERATOR): William B. Gilman			
INSPECTED BY: Scott Haley (writer)		PERMIT NO: VDHBUR 131	
FIELD NO: SP 04 – 1 & 3		ACRES: 1 – 70 ac. / 3 – 273.5ac.	
OTHERS PRESENT: various (see comments)			
FIELD DATA/OBSERVATIONS:		TIME: see comments	
WEATHER: see comments		SOIL CONDITIONS: see comments	
BIOSOLIDS SOURCE: Arlington, Back River, Blue Plains, Parkway, UOSA		BIOSOLIDS TYPE: Lime Stabilized & Digested	
SOIL pH: 1 – 3.6 , 3 – 3.7 (date 9/22/2004)		% SOLIDS OF BIOSOLIDS : @ 20-31%	
APPLICATION RATE: Target rate = 200lbs PAN (tall thinned pines); 100lbs PAN (young pines) 5 – 9 DT/Acre			
CROP AND EXPECTED YIELD: Pine trees - N/A			
LOAD TO DATE (WT): see monthly reports			
BIOSOLIDS APPLIED:	<input type="checkbox"/> LIQUID	<input checked="" type="checkbox"/> DEWATERED	
MODE OF APPLICATION:	<input checked="" type="checkbox"/> SURFACE	<input type="checkbox"/> SURFACE W/INCORP.	<input type="checkbox"/> INJECTION
APPLICATION LIMITED BY:	<input checked="" type="checkbox"/> NITROGEN	<input type="checkbox"/> pH	
	<input type="checkbox"/> MAX. HYDRAULIC LOADING (LIQUID BIOSOLIDS)		
	<input type="checkbox"/> MAX. SOLIDS LOADING (15 DRY TONS/ACRE)		
	<input type="checkbox"/> OTHER (SPECIFY):		
FIELD OBSERVATIONS			
	BUFFERS OBSERVED:	<u>YES</u>	<u>NO</u>
	UNIFORM APPLICATION:	X	
	PROPER FIELD RECORDS:	X	
	SIGNS OF RUNOFF:		X
	TRUCKS NON-SPILL/WATERTIGHT:	X	
	CONDITION OF HAUL ROUTE SATISFACTORY:	X	
ODORS PRESENT:	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> ABOVE NORMAL*
OVERALL CONDITION OF SITE:	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> FAIR	<input type="checkbox"/> POOR

COMMENTS: (*explain):

PAN = Plant Available Nitrogen

Multiple complaints, were received over a three week period from 5/2/2005 to 5/20/2005, involving a silviculture land application operation. Complaints were primarily odor related. All buffers at the site were observed to be in compliance with the Biosolids Use Regulations.

5/02/2005

Mr. Scott Haley received a call from Catharpin Road resident, complaining of odor. Writer traveled to the site, and also to the residence and spoke with the complainant, who said that odors had improved. Mr. Scott Haley detected no odor at the residence, or along Catharpin Road. Writer spoke with Mr. Robbie Patterson, forestry land application contractor in charge of the land application operation.

Approximately 115 acres had received biosolids application as of 4/29/2005. All buffers observed were in compliance with regulations. Odors present on the site were slight. Application records indicated a target rate of 200 lbs PAN supplied by the biosolids, consistent with agency recommendations.

5/03/2005

Mr. Scott Haley received email from Doug Barnes, Spotsylvania County that an unspecified complaint had been received concerning the silviculture site.

5/04/2005

Mr. Scott Haley with a County resident and discussed the permitting process, and land application operations. The resident's complaint was about truck traffic, stating that the biosolids transport trucks were using their compression release engine brakes and the resulting noise was interrupting the naps of children during the day. He said he had spoken with someone on-site and that the trucks had stopped using their compression release engine brakes to slow down prior to the site entrance.

5/09/2005

Mr. Scott Haley received a voicemail message from a Carriage Road resident, requesting a return call. The call was returned, and the resident complained of odor from the silviculture site. The resident suggested that Mr. Scott Haley meet with her neighbor. The resident also said that the odor was stronger at night. Mr. Scott Haley arranged to visit site during the evening and arrived onsite at 5:00PM and spoke with several residents. Odors were considered to be slight and occasional. One resident reported having an allergic reaction recently. Mr. Scott Haley encouraged the resident to contact the Local Health Director about the health concerns. Mr. Scott Haley remained at the site until 6:45 PM.

Biosolids had been applied to the forested area approximately 500 feet from the end of Carriage Road.

Mr. Scott Haley received telephone calls from two complainants between 9:00 and 9:30PM, who stated that the odors had intensified after sunset.

COPIES: VDH – Div. of Wastewater Engineering (permit file)
Spotsylvania County - Doug Barnes (via email)
Synagro Mid-Atlantic, Inc. – Steve McMahon (via email)
Chris Peot – DC WASA (via email)
Ed Taylor – Maryland Environmental Service (via email)